In the Claims:

Listing of all claims:

- 1. (Previously Amended) A stand alone power supply 1 2 comprising; a primary mover mechanically coupled to a rotating 3 4 5 a generator having a rotor mechanically coupled to the shaft, and further having a stator magnetically 6 coupled to the rotor, whereby the generator provides a 7 8 generator output; an inverter having an inverter input in electrical 9 communication with the generator output, wherein the 10 11 inverter inverts power from the inverter input to provide 12 an inverter output; 13 a controller coupled to the primary mover and having 14 a feedback input; and 15 a feedback circuit coupled to the inverter output and the feedback input wherein a feedback signal 16 responsive to at least one inverter output operating 17 18 parameter is provided to the feedback input.
 - 2. (Original) The power supply of claim 1 wherein the primary mover includes a speed control and the controller includes an output coupled to the speed control, wherein the speed of the primary mover is controlled in response to the feedback signal.
- 3. (Original) The power supply of claim 2 wherein the speed control includes an idle/run selector for selecting between an idle speed and a run speed in response to the feedback signal.

- 1 4. (Original) The power supply of claim 1 wherein
- 2 the controller includes means for controlling at least one of
- 3 a throttle position, a fuel pump, an injection timer, a fuel
- 4 to air ratio, fuel consumption and ignition timing.
- 5. (Previously Amended) The power supply of claim
- 2 1 wherein the at least one operating parameter is an inverter
- 3 current.
- 1 6. (Previously Amended) The power supply of claim
- 2 1 wherein the at least one operating parameter is an inverter
- 3 voltage.
- 7. (Previously Amended) The power supply of claim
- 2 5 wherein the at least one operating parameter further
- 3 includes an inverter voltage.
- 1 8. (Original) The power supply of claim 7 wherein
- 2 the feedback circuit includes a multiplier, wherein the
- 3 multiplier multiplies signals representative of voltage and
- 4 current to obtain a signal representative of power, and
- 5 further wherein the feedback circuit includes an integrator to
- 6 integrate the signal representative of power.
- 9. (Original) The power supply of claim 2 further
- 2 including a rectifier that couples the inverter to the ac
- 3 output, and wherein the inverter includes at least one input
- 4 energy storage device that stores rectified energy and wherein
- 5 the controller causes the primary mover to increase speed when
- 6 the energy stored decreases past a threshold.

- 1 10. (Original) The power supply of claim 1 wherein
- 2 the operating parameter is a function of a ripple in the
- 3 output.
- 1 11. (Previously Amended) The power supply of claim
- 2 I further including a rectifier coupled to the inverter output
- 3 to provide a dc inverter output.
- 1 12. (Original) The power supply of claim 1 wherein
- 2 the generator is a dc generator.
- 1 13. (Previously Amended) The power supply of claim
- 2 1 wherein the generator is an ac generator, and the inverter
- 3 includes an input rectifier.
- 1 14. (Previously Amended) A stand alone power supply comprising;
- a primary mover mechanically coupled to a rotating shaft:
- a generator having a rotor mechanically coupled to the shaft, and further having a stator magnetically
- 7 coupled to the rotor, whereby the generator provides a generator output;
- an inverter having an inverter input in electrical communication with the generator output, wherein the inverter inverts power from the inverter input to provide
- 12 an inverter output;
- 13 control means, coupled to the primary mover and
- 14 having a feedback input, for controlling the primary
- 15 mover; and
- 16 feedback means, coupled to the inverter output and
- 17 the feedback input, for providing a feedback signal

- 18 responsive to at least one inverter output operating
- 19 parameter to the feedback input.
- 1 15. (Original) The power supply of claim 14 wherein
- 2 the primary mover speed control means for controlling the
- 3 primary mover's speed, and the control means includes an
- 4 output coupled to the speed control means, wherein the speed
- 5 of the primary mover is controlled in response to the feedback
- 6 signal.
- 1 16. (Original) The power supply of claim 15 wherein
- 2 the speed control means includes an idle/run selector means
- 3 for selecting between an idle speed and a run speed in
- 4 response to the feedback signal.
- 1 17. (Original) The power supply of claim 14 wherein
- 2 the control means includes means for controlling at least one
- 3 of a throttle position, a fuel pump, an injection timer, a
- 4 fuel to air ratio, fuel consumption and ignition timing.
- 1 18. (Previously Amended) The power supply of claim
- 2 14 wherein the at least one operating parameter is inverter
- 3 current.
- 1 19. (Previously Amended) The power supply of claim
- 2 14 wherein the at least one operating parameter is inverter
- 3 voltage.

20-39. (Cancelled.)

40. (Previously Added) The power supply of claim 18 wherein the at least one operating parameter further includes inverter voltage.

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- 1 41. (Previously Added) The power supply of claim
- 2 40 wherein the feedback means includes a multiplier means for
- 3 multiplying signals representative of voltage and current to
- 4 obtain a signal representative of power, and further wherein
- 5 the feedback means includes an integrator means for
- 6 integrating the signal representative of power.
- 1 42. (Previously Added) The power supply of claim
- 2 15 wherein the inverter includes at least one input energy
- 3 storage means for storing energy to be inverted by the
- 4 inverter, and wherein the control means further includes means
- 5 for increasing primary mover's speed when the energy stored
- 6 decreases past a threshold.
- 1 43. (Previously Added) The power supply of claim
- 2 14 wherein the operating parameter is a function of a ripple
- 3 in the output.
- 1 44. (Previously Added) The power supply of claim
- 2 14 further including a rectifier means coupled to the inverter
- 3 output for providing a dc inverter output.
- 1 45. (Previously Added) The power supply of claim
- 2 14 wherein the generator is a dc generator.
- 1 46. (Previously Added) The power supply of claim
- 2 14 wherein the generator is an ac dc generator and the
- 3 inverter includes a rectifier.
- 1 47. (Currently Amended) A method of providing
- 2 power comprising;

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- generating an electrical output with an engine and
 generator;
- 5 inverting the electrical input to provide an ac 6 inverter output;
- 7 <u>multiplying signals representative of the ac</u> 8 <u>inverter output voltage and current to obtain a signal</u>
- 9 representative of power, and integrating the signal
- 10 representative of power, and providing a feedback
- 11 <u>responsive thereto; and</u>
- controlling the engine using the feedback indicative
- of an inverter output operating parameter.
- 1 48. (Previously Added) The method of claim 47
- 2 wherein the engine speed is controlled in response to the
- 3 feedback.
- 1 49. (Currently Amended) The method of claim 48
- 2 wherein the step of controlling includes the step of selecting
- 3 between an idle speed and a run speed in response to the
- 4 feedback.
- 1 50. (Currently Amended) The method of claim 47
- 2 wherein the step of controlling includes controlling at least
- 3 one of a throttle position, a fuel pump, an injection timer, a
- 4 fuel to air ratio, fuel consumption and ignition timing.

51-54. (Cancelled.)

- 1 55. (Currently Amended) The method of claim 58
- 2 further including the step of storing energy after
- 3 rectification and wherein the step of controlling includes the
- 4 step of increasing engine speed when the energy stored
- 5 decreases past a threshold.

- 1 56. (Cancelled.)
- 1 57. (Currently Amended) The method of claim 47
- 2 further including the step of rectifying the inverter output
- 3 to provide a dc inverter output.
- 1 58. (Currently Amended) The method of claim 47
- 2 wherein the step of generating includes the step of generating
- 3 a dc output.
- 1 59. (Currently Amended) The method of claim 47
- 2 wherein the step of generating includes the step of generating
- 3 an ac dc output and the step of inverting includes the step of
- 4 rectifying.